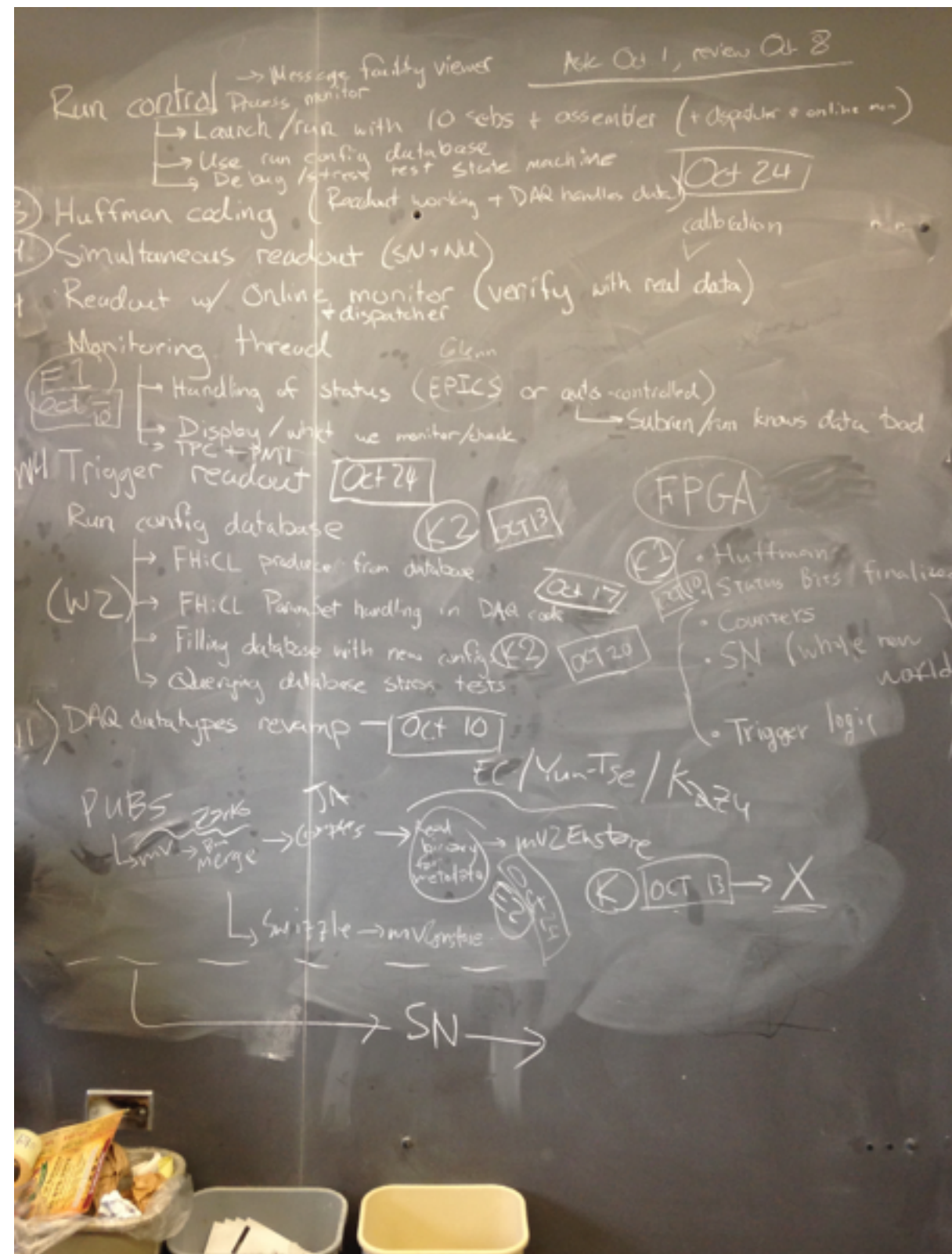


# ubdaq pre- commissioning tasks

Eric, 1-Oct-2014

Wes, Kazu & I came up with a list ...



- Run Control: more from David/Matt next wk?
  - mf::viewer
  - launch run with 9+1 sebs + assembler + dispatcher+online-monitor with fakeData.
  - debug state machine problems!
  - Use run config dB (when ready)
  - David, Matt, Gennadiy, 30-Oct

- uboonedaq\_datatypes overhaul
  - Still use boost::serialization classes, but hold the data together as it comes out of the detector rather than put them in maps right off. One nice consequence is that SN and assembled Trig streams will be identical.
  - Swizzling, Online monitoring, ... depend on this
  - Wes/Gennadiy, by Oct 10

- Monitoring thread
  - works on PMT crate, but not TPC crate. Need to fix this.
  - Be sure the ganglia metrics are complete. Make sure Glenn/Sowjanya can scoop up rrd files and archive/alarm-on them.
  - Issue run shutdown if bad status
  - Eric, 24-Oct

- FPGA stuff
  - Huffman debugging
  - status bits
  - counters
  - SN compression
  - Kazu, garbled-Oct

- Run Config dB
  - Make the fhicl files from the dB
  - Reconfiguring the fhicl parameters while we're at it for more consistency
  - Tools to write to the dB — first from py run scripts, then from run control
  - Wes, Kazu by 20-Oct

## In parallel

- Trigger Readout - run another SebApp on seb10
  - Wes, 24-Oct
- Simultaneous SN+Triggered readout
  - might just work out of box! Eric/Yun-Tse
- Step up activity on PUBS (data processing)
  - Focus on Triggered data flow, SN to follow
  - Data parser python modules, mass-swizzling
  - Eric/Yun-Tse/Kazu/JA/Zarko + BNL'ers?, Oct 20
- =>Run control on 10 data crates, all processes! mid-November